



Work Order update only

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐ Water Jet ☐ Engineering ☐ Machining ☐ Small Fab ☐ Prod. Eng. Coord. ☐ Quality ☐ Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐ Large Fab ☐ Composite ☐ Supplier ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐						OTHER : _____	

Work Order ID 140613

Monday, January 11, 2016 12:34:47 PM

140613

Page 2

Item ID: D139-799-212

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Quick Release Maintenance Step, RH

Start Date: 1/11/2016 Start Qty: 2.00 *2*

Cust Item ID:

Required Date: 1/11/2016 Req'd Qty: 2.00 *2*

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D139-799-212 Location: F60 19								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

2X
DAS
21
9-89
JUL 21 2016

DAS
21
9-89
JUL 21 2016

DAS
21
9-89
JUL 21 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

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Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
		OTHER : ☐							

Monday, January 11, 2016 12:34:51 PM

140613

D139-799-212

Required Date: 1/11/2016

Required Qty: 2.00

Comments: IPP REV:A 15.09.23 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D5238-041		Manufactured	No				Each	0.0000	1	2			
D5238-041									**	14064	MF	DAS 6 9-89	
Maintenance Step Assembly													
D5238-043		Manufactured	No				Each	0.0000	1	2			
D5238-043									**	140615	MF	DAS 6 9-89	FEB 09 2016
Lower Bracket, Aft													
D5238-045		Manufactured	No				Each	0.0000	1	2			
D5238-045									**	140616	MF	DAS 6 9-89	
Lower Bracket, Fwd													
D5245-1		Manufactured	No				Each	6.0000	1	2			
D5245-1									**	147223	MF	DAS 6 9-89	MAY 26 2016
Mounting Bolt													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				prelim				6					
					132996			4					
					134742			2					
AN6H12A		Purchased	No				Each	19.0000	1	2			
AN6H12A									**			DAS 6 9-89	
Bolt													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST335				19					
					m132930			19					

DQA: _____ Date: _____

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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : ☐			
Misidentified ☐		Past Due ☐					

Picklist Print

Monday, January 11, 2016 12:34:51 PM

Page 2

Work Order ID: 140613

140613

Parent Item: D139-799-212

D139-799-212

Parent Item Name: Quick Release Maintenance Step, RH

Start Date: 1/11/2016

Required Date: 1/11/2016

Start Qty: 2.00

Required Qty: 2.00

AN6H13A

Purchased

No

Each

24.0000

2

AN6H13A

Bolt

**

DAS

8

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST335

24

m132930

24

Each

1,055.000

2

NAS1149D0663J

Purchased

No

NAS1149D0663.J

Washer

**

Location

Loc Qty

Loc Code

ST260

227

M131618

227

ST260a

300

M133812

300

ST263

477

M133134

89

M133769

388

ST269

51

M126334

51

DAS
27
9-89

JAN 21 2016

DAS

8

9-89

Monday, January 11, 2016 12:34:51 PM

Shop Packet Print

Page 2

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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

5.0 PARTS LIST

Qty -011	Qty -012	Qty -015	Qty -017	Qty -019	Qty -112	Qty -211	Qty -212	Qty -213	Part Number	Description
X									D139-799-011	MAINTENANCE STEP KIT, LH
	X								D139-799-012	MAINTENANCE STEP KIT, RH
		X							D139-799-015	ENGINE WASH KIT
			X						D139-799-017	CARGO FLOOR PROTECTOR KIT
				X					D139-799-019	CABIN FLOOR PROTECTOR KIT
					X				D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
						X			D139-799-211	QUICK RELEASE MAINTENANCE STEP KIT, LH
							X		D139-799-212	QUICK RELEASE MAINTENANCE STEP KIT, RH
								X	D139-799-213	QUICK RELEASE MAINTENANCE STEP PROVISIONS KIT
			2						D3580-1	JOGGLE BRACKET
			2	8					D3628-1	CUPPED WASHER
1									D4092-041	MAINTENANCE STEP ASSEMBLY
	1								D4092-042	MAINTENANCE STEP ASSEMBLY
		2							D4121-1	HOSE ASSEMBLY
		1							D4121-3	HOSE ASSEMBLY
		1							D4121-5	HOSE ASSEMBLY
				1					D4130-1	FWD CABIN FLOOR PROTECTOR
				1					D4130-3	AFT CABIN FLOOR PROTECTOR
			1						D4130-5	FWD CARGO FLOOR PROTECTOR
			1						D4130-7	CENTER CARGO FLOOR PROTECTOR
			1						D4130-9	AFT CARGO FLOOR PROTECTOR
		1							D4131-041	MANIFOLD ASSEMBLY
		1							D4131-043	DOUBLER ASSEMBLY
		2							D4146-1	FITTING
			1						D4153-1	JOGGLE BRACKET
			1						D4153-3	JOGGLE BRACKET
				4					D4153-5	CLAMP PLATE
			2						D4166-1	PLACARD, MAX LOAD
		2							D4182-1	FITTING, QUICK DISCONNECT
		1							D4384-1	PLACARD
					1				D4526-042	MAINTENANCE STEP ASSEMBLY, RH
						1			D5238-041	MAINTENANCE STEP ASSEMBLY
							1		D5238-042	MAINTENANCE STEP ASSEMBLY
						1	1	1	D5238-043	LOWER BRACKET, AFT
						1	1	1	D5238-045	LOWER BRACKET, FWD
						1	1	1	D5245-1	MOUNTING BOLT
2	2				2	2	2	2	AN6H12A	BOLT
2	2				2	1	1	1	AN6H13A	BOLT
		4							AN526-1032R16	SCREW
		2							AN832-6J	UNION
		4							AN924-6J	NUT
		20							MS21919WDG09	CLAMP
6	6				6	5	5	5	NAS1149D0663J	WASHER (or AN960JD616)
		4							NAS1149C0932R	WASHER (or AN960C916L)